

ABSTRACT

An integrated high-beam/infrared-ray lamp system is provided which comprises a high-beam bulb, an infrared-ray filter, an actuating device, and a lamp control unit. The high-beam bulb is disposed within a lamp housing. The infrared-ray filter is disposed in the housing, and the infrared-ray filter is allowed to rotate between a first position where the infrared-ray filter screens the high beam lamp and a second position where the infrared-ray filter does not screen the high beam lamp. The actuating device rotates the infrared-ray filter. The lamp control unit controls an on/off operation of the high beam bulb and the actuating unit. The actuating device comprises an actuator for actuating the infrared-ray filter and an elastic member connecting the infrared-ray filter and the housing.